

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	20	(graham with collins).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/10/16 09:11
S2	10	204/421-432.ccls. and penetrating near5 electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/10/16 09:12
S3	149	"204"/\$.ccls. and penetrating near5 electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/10/16 09:13
S5	139	S3 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/10/16 09:13
S6	9	S5 and pH near3 electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/10/16 09:13
S7	6	"204"/\$.ccls. and penetrating near5 electrode\$1 with glass\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/10/16 09:14
S8	21	"204"/\$.ccls. and penetrating with longitudinal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/10/16 09:14
S9	2	"10511418"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/10/16 09:17
S10	2	"2003168336"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 14:22
S11	0	"200300168336"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 14:23
S12	3	"20030168336"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 14:23
S13	14	("2666805"   "2864883" "3604641"   "3902970" "3997419"   "4072578" "4251432"   "4410479" "4983344"   "5271880" "5702576"   "5914019").PN. OR ("7282168").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/08 14:25

S14	1211	439/271-274.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 14:35
S15	0	S14 and seal\$1 near3 collector\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 14:35
S16	1966	204/412,415.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 14:51
S17	423	S16 and seal\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 14:51
S18	183	S17 and gas\$3 near5 (sensor\$1 detector\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 15:05
S19	637	S16 and gas\$3 near5 (sensor\$1 detector\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 15:10
S20	31	S19 and elastomer\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 15:10
S21	95	S19 and ((silicone adj rubber\$1) nylon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 15:16
S22	81	S21 not S20	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/08 15:16
S23	2579	204/421-432.ccls. and (electrochemical gas\$3) near3 (sensor\$1 detector \$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 07:56
S24	273	S23 and (elastomer\$5 elastic\$4 (silicone adj rubber\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 07:57
S25	1966	204/412,415.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 07:57
S26	637	S25 and gas\$3 near5 (sensor\$1 detector\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 07:57
S27	95	S26 and ((silicone adj rubber\$1) nylon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 07:57
S28	256	S24 not S27	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 07:57
S29	240	S28 not S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 07:57

S30	2	("20030136675"   "20040129566").PN. OR ("7584647").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/09 08:31
S31	20	("4173745"   "4329665"   "4622527"   "4641224"   "4958938"   "6082176"   "6547955"   "6849174"   "6870142").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 08:34
S32	1803	439/271-274,587-588.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 08:37
S33	477	S32 and ((silicone adj rubber\$1) (elastic\$4 near3 (polymer\$4 plastic \$1)) elastomer\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 08:37
S34	335	S32 and ((silicone adj rubber\$1) (elastic\$4 near3 (polymer\$4 plastic \$1)) elastomer\$3) with seal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 08:38
S35	12	("2705308"   "2897533"   "3243240"   "3517113"   "5224875").PN. OR ("5662336").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/09 10:01
S36	643	439/587.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/09 10:03
S37	169	S36 and ((silicone adj rubber\$1) (elastic\$4 near3 (polymer\$4 plastic \$1)) elastomer\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 10:05
S38	57	S37 not S34	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 10:05
S39	4	("4643506"   "5662336"   "5667406"   "6325661").PN. OR ("7371114").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/09 10:10
S40	7	("4643506"   "5147222").PN. OR ("5667406").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/09 10:11
S41	423	S25 and seal\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:40
S42	183	S41 and gas\$3 near5 (sensor\$1 detector\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:40
S43	3	S42 and flexib\$5 near5 (connector\$1 conductor \$1 wire\$1 lead\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:40

S44	171	S42 and (connector\$1 conductor\$1 wire\$1 lead\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:41
S45	77	S44 and (counter auxiliary) near3 electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:42
S46	2	S42 and flexib\$5 near5 (connector\$1 conductor \$1 wire\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:42
S47	139	S42 and (connector\$1 conductor\$1 wire\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:43
S48	58	S47 and (counter auxiliary) near3 electrode \$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:43
S49	637	S25 and gas\$3 near5 (sensor\$1 detector\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:44
S50	5	S49 and flexib\$5 near5 (connector\$1 conductor \$1 wire\$1 lead\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:45
S51	389	S49 and (connector\$1 conductor\$1 wire\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:46
S52	152	S51 and (counter auxiliary) near3 electrode \$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:46
S53	142	S52 and electrolyte\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/09 11:46
S54	4	("4643506"   "5662336" "5667406"   "6325661").PN. OR ("7371114").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/10 11:49
S55	1967	204/412,415.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/12/10 11:50
S56	340	S55 and (cap\$1 lid\$1 clamp\$1 clip\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/10 11:50
S57	46	S55 and (cap\$1 lid\$1 clamp\$1 clip\$1) near10 (lead\$1 connector\$1 terminal\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/10 11:50
S58	140	439/867.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/10 11:57
S59	38	"439"/\$1.ccls. and (cap \$1 lid\$1 clamp\$1 clip\$1) near10 (lead\$1 connector \$1 terminal\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 10:06

S60	15617	"439"/\$.ccls. and (cap\$1 lid\$1 clamp\$1 clip\$1) near10 (lead\$1 connector\$1 terminal\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 10:06
S61	0	"439"/\$.ccls. and (cap\$1 lid\$1 clamp\$1 clip\$1) near10 (lead\$1 connector\$1 terminal\$1) near10 seal\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 10:07
S62	742	"439"/\$.ccls. and (cap\$1 lid\$1 clamp\$1 clip\$1) near10 (lead\$1 connector\$1 terminal\$1) near10 seal\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 10:07
S63	430	"439"/\$.ccls. and (cap\$1 lid\$1 clamp\$1 clip\$1) near5 (lead\$1 connector\$1 terminal\$1) near5 seal\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 10:08
S64	33	"439"/\$.ccls. and (metal\$4 conduct\$4) near3 (cap\$1 lid\$1 clamp\$1 clip\$1) near5 (lead\$1 connector\$1 terminal\$1) near5 seal\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 10:11
S65	713	"439"/\$.ccls. and (metal\$4) near3 (cap\$1 lid\$1 clamp\$1 clip\$1) near5 (lead\$1 connector\$1 terminal\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 10:16
S66	55	"204"/\$.ccls. and (metal\$4) near3 (cap\$1 lid\$1 clamp\$1 clip\$1) near5 (lead\$1 connector\$1 terminal\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 10:16
S67	12	("4193965"   "4880519"). PN. OR ("4983271"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 10:20
S68	11	("20070033823"   "20070102639"   "20070161268"   "3793545"   "4640135"   "4983271"   "5949023"   "5984645"   "6035722"   "6112592"   "6423197"). PN. OR ("7425138"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 10:23
S70	486	"439"/\$.ccls. and (metal\$4) near3 (clamp\$1 clip\$1) near5 (connector\$1 terminal\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 10:26

S71	11	("3844923"   "4772235" "4895533"   "4921437"   "5147222"   "5224875").PN. OR ("5364285").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 11:16
S72	10	("3085138"   "4269472" "5017160"   "5035638" "5278354"   "5364285" "5401184"   "5532433" "5564946").PN. OR ("6638107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 11:18
S73	13	("3366566").PN. OR ("3844923").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 11:19
S74	25	("3629787"   "4379608" "4684183").PN. OR ("4824391").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 11:21
S75	20	("1665446"   "1678082" "2424986"   "2431999" "2534881"   "2813257"   "3078596"   "3085177").PN. OR ("3733574").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 11:22
S76	17	("4735581"   "4895533" "4917617"   "4921437").PN. OR ("5224875").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 13:51
S77	8	("4961713"   "5098315" "5145410"   "5151045"   "5224875"   "5240433").PN. OR ("5395266").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 13:57
S78	31	("3462728"   "3601771" "4329540"   "4415166" "4643506"   "4656689" "4692562"   "4797122" "4895533"   "4966374" "5059747"   "5087795" "5224875"   "5227139" "5278352"   "5278357" "5295865"   "5352126" "5395266"   "5454737" "5596176").PN. OR ("5927725").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/11 15:16
S79	22	("3239444"   "3429796" "3510420"   "3577332" "3708412"   "3767552" "4017373"   "4126531" "4132616"   "4477403" "4498970"   "4686011").PN. OR ("4948496").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/18 09:51

S80	30	("1389750"   "1583445"   "1748011"   "1866604"   "3172782"   "3202611"   "3271199"   "3305396"   "3408233"   "3556851"   "3723589"   "3765942"   "3776779"   "4018971"   "4317872").PN. OR ("4477403").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/18 09:56
S81	10	("4248941"   "4477403"   "5128018"   "5331310"   "5392191"   "5538620"   "5547551"   "6010606"   "6343003"   "6428665").PN. OR ("7147761").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/18 09:57
S82	16	("4029563"   "4662996"   "5215643").PN. OR ("5538620").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/18 09:59
S83	28	204/415,415.ccls. and flexib\$4 near5 (wire\$1 connect\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/18 10:00
S84	3	"10511418"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/11 10:32
S85	2	"10/511418"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/11 10:33
S86	50	((andreas with derr)).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/11 10:33
S87	10	((andreas with derr)).in. and electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/11 10:33
S88	20	("3415731"   "3444067"   "3455793"   "3523777"   "3965383"   "4004331"   "4008141"   "4012308"   "4128468"   "4162211"   "4167300"   "4252124"   "4783250"   "4959138"   "6495012"   "7017256").PN. OR ("7318273").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/11 10:39
S89	52	204/421-432.ccls. and thermoplastic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/11 10:52
S90	1	204/421-432.ccls. and thermoplastic with flexi\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/05/11 10:52

S91	14	("2666805"   "2864883" "3604641"   "3902970" "3997419"   "4072578" "4251432"   "4410479" "4983344"   "5271880" "5702576" "5914019").PN. OR ("7282168").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/11 10:57
S92	11	(elastic near1 synthetic near1 rubber\$1) with thermoplastic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/11 11:36
S93	19	("3001918"   "3098813" "3410778"   "3503861" "3574078"   "3655546").PN. OR ("3708412").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/25 10:11
S94	1	(anglo with european). as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/05/25 09:52
S95	20	(havant with international).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/05/25 10:16
S96	553	(city with technology).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/05/25 10:17
S97	66	S96 and gas near2 (sens \$4 detect\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/05/25 10:17
S99	18	("3481179"   "4352099" "5070721"   "5601693" "5624641"   "6351982" "6395585"   "7479255").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/05/25 10:25
S100	1121	204/431-432.ccld.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/05/25 10:45
S101	248	S100 and ((working sensing measuring) and (counter auxiliary)) near2 electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/05/25 10:46

**EAST Search History (Interference)**

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